

F-WUF

WHITE OPAQUE POLYESTER FILM

F-WUF is a white opaque BOPET film. It is one side Special Chemical Coated surface with the other side being Untreated or Corona Treated.

KEY FEATURES:

- Excellent opacity and high brightness
- Good mechanical & thermal properties
- Excellent machinability & handling properties
- Special Chemical Coated surface provides excellent adhesion with inks & adhesives
- Corona Treated surface improves bond with outer substrate

FILM STRUCTURE



APPLICATION:

- Surface printing jobs and metallization
- Label application and Blister Packaging
- Other conversions where white backing is required like lids

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES				
THICKNESS		Internal	Micron	12	23	36	50	55
			(Gauge)	48	92	144	200	220
YIELD		Internal	m ² / kg	58.27	30.40	19.42	13.98	12.71
			in ² /lb	41022	21401	13671	9841	8947
SURFACE TENSION (min) # (Special Chemical Coated surface) (Corona Treated surface)		ASTM D-2578	dyne/cm	48				
				52				
COF (max) (One side to the other side)		ASTM D-1894	-	0.45				
OPACITY (min)		Hunter Lab	%	55	75	82	85	85
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	1700	1600	1500	1500	1500
	TD			2000	2000	2000	2000	2000
	MD		(Psi)	24200	22700	21300	21300	21300
	TD			28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	110	115	120	125	130
	TD			80	80	85	85	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	2.5				
	TD			0.8				
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	45	25	15	12	10
			(gm/100 in ² /day)	2.9	1.6	1.0	0.8	0.6
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	160	75	45	35	30
			(cc/100 in ² /day)	10.3	4.8	2.9	2.2	1.9

The inherent surface tension of the untreated side of any PET film is a minimum of 42 dyne/cm.

STORAGE & HANDLING

FLEXPET™ needs to be stored in a closed warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXPET™ is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

FLEXPET™ complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

DISCLAIMER

It is the responsibility of our customer to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flex provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flex reserves the right to change the technical data sheet at any time without prior notice.

FlexFilms

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